

Logic and Accuracy Testing

Presidential Primary 2024 Advisory #06

January 10, 2024

Rules for testing election tabulation systems for other elections apply to the Presidential Primary. Testing must demonstrate:

- The system correctly logs votes cast for every ballot tabulated.
- Votes cast for individual candidates tally correctly.
- Write-in votes, overvotes, and undervotes are recognized and recorded.
- Testing meets all requirements of WACs [434-335-323](#) and [434-335-330](#).
- Test logically represents the election and accurately records votes according to the test plan.

Differences in the Presidential Primary Logic and Accuracy Test

Primary results must be reported by precinct. The Presidential Primary only uses one ballot style, so the Logic and Accuracy Test needs to include ballots from more than one precinct.

The test requires two test decks – one deck for the Democratic Party and one deck for the Republican Party.

The Office of the Secretary of State asks that ballots from twenty (20) precincts be included in each deck. Counties with fewer precincts should test all precincts.

Logic and Accuracy Test Materials

1. Prepare the Presidential Primary Logic and Accuracy Test matrix as if you have two separate elections – one for each political party.
2. Create separate decks for the Democratic and Republican Parties.
3. Select twenty (20) precincts to include in the test. Fill in the test matrix (attached) with those precinct names/numbers.
 - a. If you have fewer than twenty precincts, test all precincts.
4. Use at least one of each type of ballot in your test deck, such as ballots printed on demand, ballots in all various languages, electronically marked ballots, and electronically duplicated ballots.
5. Following the matrix pattern prescribed in [WAC 434-335-323\(1\)](#), create party-specific test decks.
 - a. Mark the first response for the first candidate on a ballot from each test precinct.
 - b. Mark the second response for the second candidate on two ballots.
 - c. Mark the third response for the third candidate on three ballots.
 - d. Continue to mark responses as indicated on the test matrix until all candidates on the party ballot have unique responses in sequential order.

- e. Mark the write-in response position on one more ballot than the last listed candidate.
 - f. Mark one ballot as over-voted for that party.
 - g. Include one blank ballot for each party.
6. On a separate set of ballots, repeat steps 3-5, marking the test deck for the other political party.

Testing

Pre-test your programming in advance of conducting the official Logic and Accuracy Test. ([WAC 434-335-275](#))

The official Logic and Accuracy Test must test every ballot tabulator or scanner used in the Presidential Primary. If you add additional tabulators or scanners after the official Logic and Accuracy Test, use the emergency Logic and Accuracy Test procedures. ([WAC 434-335-310](#))

Concurrent elections may require you to toggle between the programming of the February Special Election, March Presidential Primary, and April Special Election.

Accessible Voting Units (AVUs)

Counties must test accessible voting units (AVUs) before the units can be used for marking or casting ballots. Counties must complete AVU testing eighteen (18) days before the Presidential Primary. If the official Logic and Accuracy Test occurs before AVUs are tested, County Auditors must send a copy of the completed AVU test log and addendum to CTsupport@sos.wa.gov no later than February 23, 2024. ([WAC 434-335-520](#))

Scheduling and Assistance

The Office of the Secretary of State representative attending the Logic and Accuracy Test will schedule the date and time of the test by mid-February 2024. The representative attending the Logic and Accuracy Test is available to answer questions about Presidential Primary ballot processing, tabulation, and certification requirements. The test materials must be sent to the representative at least fourteen (14) days prior to the test.

For questions about administering Washington State's 2024 Presidential Primary Election, please contact the Certification and Training Program at (360) 902-4180 or CTsupport@sos.wa.gov.

An informational publication of the Certification and Training Program, Elections Division, Office of the Secretary of State.


WASHINGTON SECRETARY OF STATE
 Elections Division

Democratic Ballot Matrix

03/12/2024 Presidential Primary			Ballots Needed	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District Name	Race Name	Ballot Name	Ballot Totals	PCT 1	PCT 2	PCT 3	PCT 4	PCT 5	PCT 6	PCT 7	PCT 8	PCT 9	PCT 10	PCT 11	PCT 12	PCT 13	PCT 14	PCT 15	PCT 16	PCT 17	PCT 18	PCT 19	PCT 20	
Statewide	President - Democratic Party	Joseph R Biden Jr	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Dean Phillips	2	2																				
		Marianne Williamson	3	3																				
		Uncommitted Delegates	4	4																				
		Write-in	5	5																				
		Overvote	1	1																				
		Blank Ballot	1	1																				

Republican Ballot Matrix

03/12/2024 Presidential Primary			Ballots Needed	23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District Name	Race Name	Ballot Name	Ballot Totals	PCT 1	PCT 2	PCT 3	PCT 4	PCT 5	PCT 6	PCT 7	PCT 8	PCT 9	PCT 10	PCT 11	PCT 12	PCT 13	PCT 14	PCT 15	PCT 16	PCT 17	PCT 18	PCT 19	PCT 20	
Statewide	President - Republican Party	Chris Christie	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Ron DeSantis	2	2																				
		Nikki Haley	3	3																				
		Vivek Ramaswamy	4	4																				
		Donald J. Trump	5	5																				
		Write-in	6	6																				
		Overvote	1	1																				
Blank Ballot	1	1																						

Precinct	PCT 1	PCT 2	PCT 3	PCT 4	PCT 5	PCT 6	PCT 7	PCT 8	PCT 9	PCT 10	PCT 11	PCT 12	PCT 13	PCT 14	PCT 15	PCT 16	PCT 17	PCT 18	PCT 19	PCT 20
Total Ballots Needed by Precinct	40	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Ballot Count	78																			